Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date:\_\_\_\_\_\_\_\_\_\_\_\_\_ Per:\_\_\_\_\_\_\_\_

**Metric System Worksheet (#1)**

1. What number is the metric system based on?

2. Complete the following "metric staircase".

 .001

 or 1/100

3. Make the following conversions:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. 1 m = \_\_\_\_\_\_\_\_\_\_ cm e. 1 m = \_\_\_\_\_\_\_\_\_\_ mm i. 1 m = \_\_\_\_\_\_\_\_\_\_ dm
2. 1 m = \_\_\_\_\_\_\_\_\_\_ hm f. 1 m = \_\_\_\_\_\_\_\_\_\_ km j. 1 m = \_\_\_\_\_\_\_\_\_\_ dam
3. 32 cm = \_\_\_\_\_\_\_ mm g. 95 km = \_\_\_\_\_\_\_\_ m k. 593 hm = \_\_\_\_\_\_\_ dm
4. 0.23 dam = \_\_\_\_\_\_cm h. 49 mm = \_\_\_\_\_\_\_\_ m l. 57 km = \_\_\_\_\_\_\_\_ m
 |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

 4. What is another name for the metric system?

5. What is the "base unit" for each of the following in the metric system?

 a. length = \_\_\_\_\_\_\_\_\_\_ b. mass = \_\_\_\_\_\_\_\_\_\_\_\_\_

 c. temperature = \_\_\_\_\_\_\_\_ d. volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_